

AibGenesis™ Mouse Anti-Lepus Torque Teno Virus 1 Monoclonal Antibody (CT4768)

Cat. No.: VRS-0724-YT810

This product is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Overview

Clone	CT4768
Host Species	Mouse
Antibody Isotype	IgG

Product Properties

Purity	>95%
Purification	Protein A or G affinity chromatography
Concentration	Lot specific

Packaging, Storage & Formulations

Form	Liquid, please specify if lyophilized powder is required.
Formulation	PBS (pH 7.4) without any preservative, please specify if any additional requirements.
Preservative	Preservative-free, please specify if any additional requirements.
Storage	Store at 4°C for short term. Store at -20°C for long term. Avoid repeated freeze/thaw cycles. Refer to the COA file for specifics.

Applications

Application	ELISA
Application Notes	The antibody is screened by ELISA using the synthetic peptide that corresponds to a partial sequence of Lepus Torque Teno Virus 1 as the capture antigen. Additional applications have not been validated. It is recommended that the end users validate other applications and determine optimal concentrations/dilution under their experimental conditions.

Other Product Details

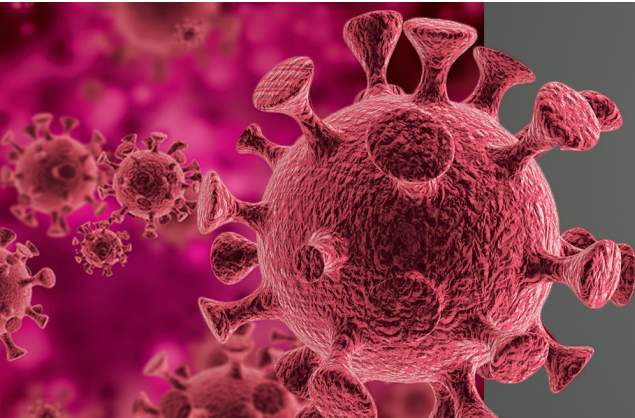
Type	Primary Antibody
Clonality	Monoclonal
ProAb	Made to order

Virus Details

Virus Classification	Single-stranded negative-sense DNA virus
Virus Family	<i>Anelloviridae</i>
Virus Genus	<i>Aleptorquevirus</i>
Species	<i>Aleptorquevirus lepor1</i>
Accession number	MN_994854 ;
Virus Name	Lepus Torque Teno Virus 1
Genome Composition	ssDNA(-)

Target

Introduction	Lepus Torque Teno Virus 1 (LTTV-1) is a small, single-stranded DNA virus belonging to the Aleptorquevirus genus in the family Anelloviridae. It was first discovered in the intestinal content of hares (<i>Lepus europaeus</i>) in Italy. LTTV-1 is a non-enveloped virus with a circular genome of approximately 2.9 kilobases in size. Like other members of the Anelloviridae family, LTTV-1 is considered to be a common commensal in its host species, with a high prevalence rate but generally benign effects on the host. However, the exact role and potential pathogenicity of LTTV-1 are still not fully understood, and further research is needed to elucidate its impact on hares and potential zoonotic transmission to humans.
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AibGenesis™

is an advanced AI-driven platform designed to create novel antibody sequences with unprecedented speed and precision. By integrating deep learning, structure prediction, and comprehensive immunological datasets, **AibGenesis™** intelligently designs antibodies optimized for affinity, stability, and developability. The platform generates antibody products that support basic scientific research, drug development, and diagnostic applications.